

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	248	antiblaze	US-PGPUB; USPAT	OR	ON	2006/03/28 09:18
L2	88	antiblaze and (acrylic or acrylate)	US-PGPUB; USPAT	OR	ON	2006/03/28 09:18
L3	89	antiblaze\$5 and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT	OR	ON	2006/03/28 09:19
L4	58	antiblaze\$3 and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT	OR	ON	2006/03/28 09:20
L5	29	antiblaze\$3 and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) and (nonwoven or non-woven or (non adj woven) or batting or batt or mat or matting or web or webbing)	US-PGPUB; USPAT	OR	ON	2006/03/28 09:20
L6	25	("2036854"   "2357725"   "2452054"   "2912392"   "2912393"   "3058927"   "3061492"   "3403123"   "3840488"   "3870590"   "4049609").PN. OR ("4239670").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 09:25
L7	6	6 and (phosphor\$5 and nitrogen)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 09:38
L8	0	(weidong with wu) and (charles with yand)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 09:38
L9	1	(weidong with wu) and (charles with yang)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:01
L10	377	(ammonium near3 phosphate) same (nitrogen same phosphorus) same (content or percentage or percent or "%")	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:02
L11	2	((ammonium near3 phosphate) same (nitrogen same phosphorus) same (content or percentage or percent or "%")).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:03
L12	49	((ammonium near3 phosphate) with (nitrogen with phosphorus) with (content or percentage or percent or "%"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:02
L13	68	((ammonium near3 phosphate) same (nitrogen same phosphorus) same (content or percentage or percent or "%")) and (flame or fire)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:06

## EAST Search History

L14	2	((ammonium near3 phosphate) same (nitrogen same phosphorus) same (content or percentage or percent or "%")) and (flame or fire)	EPO; JPO; DERWENT	OR	ON	2006/03/28 10:06
L15	29	((ammonium near3 phosphate) same (nitrogen same phosphorus) same (content or percentage or percent or "%")) and (flame or fire)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:07
L16	6	(ammonium near3 phosphate).ti. and (nitrogen same phosphorus) same (content or percentage or percent or "%") and (flame or fire)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:09
L17	2	"4180630".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:09
L18	4	("3661809"   "3733289").PN. OR ("4180630").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:09
L19	8	(ammonium near3 phosphate).ti. and (nitrogen same phosphorus) same (content or percentage or percent or "%") and (flame or fire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:11
L20	17	(ammonium near3 phosphate).ti. and (nitrogen same phosphorus) and (flame or fire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:13
L21	1	("4772642").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/28 10:13
L22	19	("4198493"   "4347334"   "4467056"   "4514328").PN. OR ("4772642").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:13
L23	21	("2881088"   "3562197"   "4129693"   "4216261"   "4265963"   "4505849"   "4639331"   "4670484"   "4698369"   "4701373"   "4772642"   "4774268").PN. OR ("5162394").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:16
L24	9	23 and (phosphor\$5 and nitrogen)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:16
L25	8	23 and (phosphor\$5 same nitrogen)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:16
L26	10	("3755323"   "4044006"   "4162279"   "4195139"   "4699824"   "5162394"   "5840413"   "5945467"   "5962603").PN. OR ("6277482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:18

## EAST Search History

L27	6	26 and (nitrogen same phosphor\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:43
L28	99	(synergistic or synergism) with (nitrogen same phosphor\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:43
L29	62	(synergistic or synergism) with (nitrogen same phosphor\$5) same flame	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 10:44
S1	2	US-6749929-\$.DID. OR US-3996181-\$. DID.	US-PGPUB; USPAT	OR	ON	2006/02/10 10:05
S2	2	US-6749929-\$.DID. OR US-3996181-\$. DID. "2004219852"	US-PGPUB; USPAT	OR	ON	2006/02/10 10:08
S3	0	"2004219852"	US-PGPUB; USPAT	OR	ON	2006/02/10 10:08
S4	162	Eichhorn	US-PGPUB	OR	ON	2006/02/10 10:09
S5	11	Eichhorn and (binder) and (nonwoven or non-woven or mat or matting)	US-PGPUB	OR	ON	2006/02/10 10:17
S6	19	Eichhorn and Hans-Dieter	EPO; JPO; DERWENT	OR	ON	2006/02/10 10:10
S7	8	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire)	US-PGPUB	OR	ON	2006/02/10 10:18
S8	18	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:28
S9	16	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:50
S10	16	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile or cotton)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:30
S11	22	("3017280"   "3093602"   "3261796"   "3531368"   "3540892"   "3753941"   "3912581"   "3944688"   "4009310"   "4180496"   "4224169"   "4247332"   "4317766"   "4321189"   "4702861"   "5169888").PN. OR ("6521682").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 10:26
S12	1	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire)	EPO; JPO; DERWENT	OR	ON	2006/02/10 10:28

## EAST Search History

S13	9	(non-woven or nonwoven or (non adj woven)) with (acrylic near3 styren\$4) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile or cotton) and (crosslink\$5 or cross-link\$5)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:32
S14	0	constantino with rocco	US-PGPUB; USPAT	OR	ON	2006/02/10 10:33
S15	2	costantino with rocco	US-PGPUB; USPAT	OR	ON	2006/02/10 10:33
S16	6	costantino with rocco	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:33
S17	45	(non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) with (acrylic near3 styren\$4) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:51
S18	124	(non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same (acrylic near3 styren\$4) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile)	US-PGPUB; USPAT	OR	ON	2006/02/10 10:52
S19	55	(non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic near3 styren\$4) with (binding or binder or adhesive)) and (flame or fire) and (rayon or cellulos\$3 or polyester or polyamide or nylon or polyacrylonitrile)	US-PGPUB; USPAT	OR	ON	2006/03/22 10:18
S20	2	costantino with rocco	US-PGPUB; USPAT	OR	ON	2006/02/10 10:56
S21	1	(costantino with rocco) and phosphor\$5	US-PGPUB; USPAT	OR	ON	2006/02/10 11:00
S22	0	(costantino with rocco) and phosphor\$5	EPO; JPO; DERWENT	OR	ON	2006/02/10 11:00
S23	4	(costantino with rocco)	EPO; JPO; DERWENT	OR	ON	2006/02/10 13:54
S24	116	(nonwoven or non-woven or batting or batt or matting or matt or webbing or web) with (binder or binding or adhesive) with (acrylic with styrene)	US-PGPUB; USPAT	OR	ON	2006/02/10 13:56

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S25	19	(nonwoven or non-woven or batting or batt or matting or matt or webbing or web) with (binder or binding or adhesive) with (acrylic with styrene) and (flame or fire)	US-PGPUB; USPAT	OR	ON	2006/02/10 13:56
S26	2	("3996181" "6749929").PN.	US-PGPUB; USPAT	OR	ON	2006/03/21 09:36
S27	40	("2834759"   "3487031"   "3637563"   "3925290"   "4540717"   "4917750"   "5527598"   "6145617").PN. OR ("3996181"   "6749929").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:38
S28	17	S27 and ((acrylic with acid) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:45
S29	1	S27 and ((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and (non-woven or nonwoven or mat or matting or batting or batt or unwoven or (non adj woven))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:39
S30	22	("3017280"   "3093602"   "3261796"   "3531368"   "3540892"   "3753941"   "3912581"   "3944688"   "4009310"   "4180496"   "4224169"   "4247332"   "4317766"   "4321189"   "4702861"   "5169888").PN. OR ("6521682").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:44
S31	6	S30 and ((acrylic with acid) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:54
S32	13	(halogen-free with nitrogen) and ((acrylic with acid) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:55
S33	4	(halogen-free with nitrogen) and ((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 09:55
S34	4	(halogen-free with nitrogen) and ((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:45
S35	4	(halogen-free with nitrogen) and ((acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:34

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S36	125	((flame or fire) with nitrogen) and ((acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:00
S37	2	((flame or fire) with nitrogen) and ((binder or adhesive or binding) with (acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:01
S38	15	((flame or fire) with nitrogen) and ((binder or adhesive or binding) same (acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:05
S39	48	"10133787" "19821532" "19726965" "2523051" "0585626" "0428786" "3734239"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:05
S40	125	((flame or fire) with nitrogen) and ((acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:12
S41	7	((flame or fire) with nitrogen) and ((acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:08
S42	1	"6444315".pn.	US-PGPUB; USPAT	OR	ON	2006/03/21 10:15
S43	421	nissin with chemical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:20
S44	3	nissin with chemical and (non-halogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:20

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S45	9	("4939206"   "5266618").PN. OR ("5532302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:30
S46	0	(rocco with constantino)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:31
S47	2	(rocco with costantino)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:31
S48	22	("3017280"   "3093602"   "3261796"   "3531368"   "3540892"   "3753941"   "3912581"   "3944688"   "4009310"   "4180496"   "4224169"   "4247332"   "4317766"   "4321189"   "4702861"   "5169888").PN. OR ("6521682").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:34
S49	4	S48 and ((acrylic with acid) with (\$4styrene or \$5butadiene or \$4acrylonitrile)) and (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:35
S50	13	("2982682"   "3325345"   "3748223"   "3766002").PN. OR ("3912581").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:44
S51	1387	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:45
S52	194	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 10:46
S53	10	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)).ab. and (fire or flame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 12:06
S54	11	("4075420"   "4311749"   "4314002"   "4476277"   "4866114").PN. OR ("5498471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 10:51
S55	86	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) with (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 11:22

## EAST Search History

S56	21	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) with (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) same (fire or flame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:44
S57	1	("6737369").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/21 11:37
S58	212	(442/374,375).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/21 13:44
S59	24	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 11:39
S60	6009	(442/327-417).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/21 11:38
S61	384	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:44
S62	125	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) and S60 and (fire or flame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 11:39
S63	15	((acrylic with acid) with (styrene or butadiene or acrylonitrile)) with (binder or binding or adhesive)) and S60 and (fire or flame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:44
S64	945	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) and ((fire or flame) with nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:27
S65	38	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) with ((fire or flame) with nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:27
S66	17	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) with ((fire or flame) with nitrogen) with ((resin with bond\$5) or (bonding or bonded or binder or binding or adhesive))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:29



## EAST Search History

S67	7	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) with ((fire or flame) with nitrogen) with phosphorus with ((resin with bond\$5) or (bonding or bonded or binder or binding or adhesive))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:29
S68	11	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) with ((fire or flame) with nitrogen) with (phosphorus or phosphorous) with ((resin with bond\$5) or (bonding or bonded or binder or binding or adhesive))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:35
S69	38	("2715591"   "2784132"   "3245904"   "3278954"   "3356658"   "3375304"   "3397035"   "3419524"   "3428582"   "3513114").PN. OR ("3658579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:34
S70	23	("2715591"   "2784132"   "3245904"   "3278954"   "3356658"   "3375304"   "3397035"   "3419524"   "3428582"   "3513114").PN. OR ("3658579").URPN. and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:35
S71	7	(non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) with (((fire or flame) with nitrogen) with (phosphorus or phosphorous)) and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:35
S72	1	((((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) same (fire or flame) same (nitrogen with (phosphorus or phosphorous)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:56
S73	6	((((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) and (fire or flame) same (nitrogen with (phosphorus or phosphorous)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:55
S74	68	august with ottinger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:54

## EAST Search History

S75	3	august with ottinger and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:54
S76	2843	monsanto and nitrogen and phosphorus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:55
S77	6	((((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting))and monsanto and nitrogen and phosphorus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:55
S78	4	((((acrylic with acrylate) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting))and monsanto and nitrogen and phosphorus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:55
S79	48	((((acrylic with acid) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) and (nitrogen with (phosphorus or phosphorous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 13:56
S80	89	((((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) and (nitrogen with (phosphorus or phosphorous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:06
S81	2	((((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting)) same (nitrogen with (phosphorus or phosphorous))	USOCR	OR	ON	2006/03/21 14:23
S82	104	(degrees or celsius or fahrenheit) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven)) or mat or matting or batt or batting) same (nitrogen with (phosphorus or phosphorous)	USOCR	OR	ON	2006/03/21 14:08

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S83	104	(degrees or celsius or fahrenheit) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven)) or mat or matting or batt or batting) same (nitrogen with (phosphorus or phosphorous)	USOCR	OR	ON	2006/03/21 14:09
S84	48	(degrees or celsius or fahrenheit) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven)) or mat or matting or batt or batting) same (nitrogen with (phosphorus or phosphorous)	US-PGPUB; USPAT	OR	ON	2006/03/21 14:10
S85	48	((degrees or celsius or fahrenheit) same (binder or binding or adhesive or bind)) same (non-woven or nonwoven or unwoven or (non adj woven)) or mat or matting or batt or batting) same (nitrogen with (phosphorus or phosphorous)	US-PGPUB; USPAT	OR	ON	2006/03/21 14:15
S86	73	(442/141).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/21 14:11
S87	4	((degrees or celsius or fahrenheit) same (binder or binding or adhesive or bind)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting) and S86	US-PGPUB; USPAT	OR	ON	2006/03/21 14:20
S88	1	(nobuyuki same takahata)	US-PGPUB; USPAT	OR	ON	2006/03/21 14:20
S89	13	(nobuyuki same takahata)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:20
S90	2	((((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting or fibrous or fiber)) same (nitrogen with (phosphorus or phosphorous))	USOCR	OR	ON	2006/03/21 14:24

## EAST Search History

S91	6	((((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) same (binder or binding or adhesive or bind) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting or fibrous or fiber)) same (nitrogen with (phosphorus or phosphorous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:27
S92	23	((((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting or fibrous or fiber)) same (nitrogen with (phosphorus or phosphorous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:29
S93	15	((binder or binding or adhesive) with (temperature or thermoset\$5 or thermoplastic) same (non-woven or nonwoven or unwoven or (non adj woven) or mat or matting or batt or batting or fibrous or fiber)) same (nitrogen with (phosphorus or phosphorous))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:30
S94	856	((nitrogen with (phosphorus or phosphoric or phosphonic)) and (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing)) and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:09
S95	5	((nitrogen with (phosphorus or phosphoric or phosphonic)) same (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing)) same ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:10
S96	30	((nitrogen with (phosphorus or phosphoric or phosphonic)) same ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) and (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:13
S97	17	((nitrogen with (phosphorus or phosphoric or phosphonic)).ab. and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) and (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:14

## EAST Search History

S98	29	((nitrogen with (phosphorus or phosphoric or phosphonic)).ab. and ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) and (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing or fabric or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:16
S99	25	((nitrogen with (phosphorus or phosphoric or phosphonic)) with ((acrylic or acrylate) with (styrene or butadiene or acrylonitrile)) and (nonwoven or non-woven or (non adj woven) or batt or batting or mat or matting or web or webbing or fabric or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:18
S100	1320	british with technology with group	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:18
S101	143	british with technology with group and (nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:18
S102	7	british with technology with group and (nitrogen) and (flame or fire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 09:42
S103	1	("5645926").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/22 09:42
S104	1	S103 and nitrogen	US-PGPUB; USPAT	OR	ON	2006/03/22 09:59
S105	1	S103 and proban	US-PGPUB; USPAT	OR	ON	2006/03/22 09:59
S106	22	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same (acrylic near3 styren\$4)).ab.	US-PGPUB; USPAT	OR	ON	2006/03/22 10:21
S107	44	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)).ab.	US-PGPUB; USPAT	OR	ON	2006/03/22 10:26
S108	438	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)).ab.	EPO; JPO; DERWENT	OR	ON	2006/03/22 10:22

## EAST Search History

S10 9	226	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) near3 styren\$4)).ab.	EPO; JPO; DERWENT	OR	ON	2006/03/22 10:23
S11 0	109	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) with ((acrylic or acrylate) near3 styren\$4)).ab.	EPO; JPO; DERWENT	OR	ON	2006/03/22 10:23
S11 1	82	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) with ((acrylic or acrylate) near3 styren\$4)).ab.	EPO; DERWENT	OR	ON	2006/03/22 10:23
S11 2	424	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)) same (coating)	US-PGPUB; USPAT	OR	ON	2006/03/22 10:26
S11 3	15	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)) same (coating)).ab.	US-PGPUB; USPAT	OR	ON	2006/03/22 10:33
S11 4	28	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)).ab. and coating	US-PGPUB; USPAT	OR	ON	2006/03/22 10:35
S11 5	0	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)).ab. and coating	USOCR	OR	ON	2006/03/22 10:35
S11 6	624	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)) and coating	USOCR	OR	ON	2006/03/22 10:35
S11 7	438	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) same ((acrylic or acrylate) with styren\$4)) same coating	USOCR	OR	ON	2006/03/22 10:35
S11 8	35	((non-woven or nonwoven or (non adj woven) or mat or matting or web or webbing) with ((acrylic or acrylate) with styren\$4)) same coating	USOCR	OR	ON	2006/03/22 10:35
S11 9	62	((phosphorus or phosphorous) near5 nitrogen) same (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 10:50
S12 0	3270	((phosphorus or phosphorous) near5 nitrogen) and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 10:23

## EAST Search History

S12 1	65	((phosphorus or phosphorous) near5 nitrogen).ab. and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 10:44
S12 2	1	("3912581").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/27 10:44
S12 3	13	("2982682"   "3325345"   "3748223"   "3766002").PN. OR ("3912581").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 10:44
S12 4	22	("3017280"   "3093602"   "3261796"   "3531368"   "3540892"   "3753941"   "3912581"   "3944688"   "4009310"   "4180496"   "4224169"   "4247332"   "4317766"   "4321189"   "4702861"   "5169888").PN. OR ("6521682").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 10:46
S12 5	1777	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)) same (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 10:51
S12 6	543	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)) with (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 10:51
S12 7	18	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)) with (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)).ab.	US-PGPUB; USPAT	OR	ON	2006/03/27 11:16
S12 8	12	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)) with (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)).ab. and grams	US-PGPUB; USPAT	OR	ON	2006/03/27 11:01
S12 9	4	("3241994"   "4859508").PN. OR ("4892785").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 10:59
S13 0	37	("3241994"   "3967032"   "4258093"   "4258094"   "4413073"   "4539254"   "4599258"   "4808466"   "4818586"   "4859508"   "4892785").PN. OR ("4859508"   "5217799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:08
S13 1	10	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)) and S130	US-PGPUB; USPAT	OR	ON	2006/03/27 11:05
S13 2	1	("5217799").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/27 11:06
S13 3	0	S132 and (flame or fire)	US-PGPUB; USPAT	OR	ON	2006/03/27 11:06

## EAST Search History

S13 4	33	("3241994"   "3967032"   "4258093"   "4258094"   "4413073"   "4539254"   "4599258"   "4808466"   "4818586"   "4859508"   "4892785").PN. OR ("4859508"   "5217799").URPN. and (coating or coated)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:08
S13 5	15	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)).ti. and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT	OR	ON	2006/03/27 11:17
S13 6	124	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)).ti. and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 11:17
S13 7	102	((acrylic or acrylate) near5 (butadiene or styrene or acrylonitrile)).ti. and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 11:24
S13 8	11	("4386943"   "4459379"   "4917764"   "5290849"   "5698302"   "5698304"   "5744229"   "5804254"   "5851933"   "5914365"   "6384116").PN. OR ("6642299").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:22
S13 9	65	((acrylic or acrylate) with (butadiene or styrene or acrylonitrile)) and (non-woven or nonwoven or (non adj woven) or web or webbing or mat or matting)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 11:32
S14 0	2	"4879173".pn. and film	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 11:37
S14 1	4	US-6749929-\$.DID. OR US-3996181-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 11:37
S14 2	4	("4540717"   "4917750"   "5527598"   "6145617").PN. OR ("6749929").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:30
S14 3	546	(ciba).asn. and (nitrogen same phosphor\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:30
S14 4	15	(ciba).asn. and (nitrogen same phosphor\$5).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:30



## EAST Search History

S14 5	16	("3372131"   "3925137"   "4216261"). PN. OR ("4382884").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:42
S14 6	0	N-Methyloldimethyl with Phosphonopropioamide	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:42
S14 7	0	Methyloldimethyl with Phosphonopropioamide	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:45
S14 8	60	(phosphorus with n-methylol)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:45
S14 9	1	(phosphorus with n-methylol) and (ciba).asn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:52
S15 0	16	"1139380"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:03
S15 1	1	"5320785".pn. and (nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:05
S15 2	2779	(phosphorus with nitrogen) with (content or percentage or "%")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:06
S15 3	989	((phosphorus with nitrogen) with (content or percentage or "%")).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:07
S15 4	52	((phosphorus with nitrogen) with (content or percentage or "%") same (flame or fire)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:25
S15 5	63	((phosphorus with nitrogen) same (content or percentage or "%") same (flame or fire)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:19
S15 6	2	((("2004219852") or ("6749929") or ("3996181")).PN.	US-PGPUB; USPAT	OR	OFF	2006/03/27 15:19

## EAST Search History

S15 7	1	((phosphorus with nitrogen) same (content or percentage or "%") same (flame or fire)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:25
S15 8	130	((phosphorus with nitrogen) same (content or percentage or "%")).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:26
S15 9	1	((phosphorus with nitrogen) same (content or percentage or "%")).ti. and (flame or fire) and (nonwoven or non-woven or (non adj woven) and mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:26
S16 0	6	((phosphorus with nitrogen) same (content or percentage or "%")).ab. and (flame or fire) and (nonwoven or non-woven or (non adj woven) and mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:29
S16 1	1	("5837621").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/27 15:28
S16 2	1	S161 and phosphor\$5	US-PGPUB; USPAT	OR	ON	2006/03/27 15:28
S16 3	69	((phosphorus with nitrogen) same (content or percentage or "%")) and (flame or fire) and (nonwoven or non-woven or (non adj woven) and mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:29
S16 4	35	((phosphorus with nitrogen) with (content or percentage or "%")) and (flame or fire) and (nonwoven or non-woven or (non adj woven) and mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:32
S16 5	36	((phosphor\$5 near\$ nitrogen) with (content or percentage or "%")) and (flame or fire) and (nonwoven or non-woven or (non adj woven) and mat or matting or batt or batting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/27 15:32
S16 6	11	("2810701"   "3221057"   "3878245"   "3931310"   "3956243").PN. OR ("4095945").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 15:35
S16 7	7	"1069232"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 15:35

## EAST Search History

S16 8	15	"1069232"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 15:36
S16 9	18	"1054877"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 15:38
S17 0	0	(iris with krauter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 16:15
S17 1	2343208	(high nitrogen with phosphor\$5).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 16:16
S17 2	9	(high with nitrogen with phosphor\$5 same flame).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 16:17
S17 3	17	(content with nitrogen with phosphor\$5 same flame).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 16:29
S17 4	11	(FYROL with "MP")	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/03/27 16:30
S17 5	29	(nitrogen near5 (phosphor\$5) near5 (content or "%")).ab.	US-PGPUB; USPAT	OR	ON	2006/03/27 16:35
S17 6	324	(nitrogen near5 (phosphor\$5) near5 (content or "%")).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 16:35
S17 7	265	(nitrogen near5 (phosphor\$5) near5 (content or "%")).ab.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/03/27 16:36
S17 8	56	(nitrogen near5 (phosphor\$5) near5 (content or "%")).ab.	US-PGPUB; USPAT; EPO	OR	ON	2006/03/27 16:36